



OIPE

## RAW SEQUENCE LISTING

DATE: 07/08/2002

PATENT APPLICATION: US/10/054,534A

TIME: 10:34:30

Input Set : N:\Crf3\Refhold\J054534.raw

Output Set: N:\CRF3\07082002\J054534A.raw

P. 2

Does Not Comply  
Corrected Diskette Needed

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1 <110> APPLICANT: Abbott Laboratories
2     Mukerji, Pradip
3     Huang, Yung-Sheng
4     Das, Tapas
5     Thurmond, Jennifer M.
6     Pereira, Suzette L.
7     Leonard, Amanda E.
8 <120> TITLE OF INVENTION: DESATURASE GENES AND USES THEREOF
9 <130> FILE REFERENCE: 6763.US.P1
10 <140> CURRENT APPLICATION NUMBER: US/10/054,534A
11 <141> CURRENT FILING DATE: 2002-05-21
12 <150> PRIOR APPLICATION NUMBER: US 09/769,863
13 <151> PRIOR FILING DATE: 2001-01-25
14 <160> NUMBER OF SEQ ID NOS: 55
15 <170> SOFTWARE: FastSEQ for Windows Version 4.0
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 42
19 <212> TYPE: DNA
20 <213> ORGANISM: Artificial Sequence
21 <220> FEATURE:
22 <223> OTHER INFORMATION: Primer R0834
23 <220> FEATURE:
24 <221> NAME/KEY: misc_feature
25 <222> LOCATION: (3)...(3)
26 <223> OTHER INFORMATION: b = g or c or t/u at position 3
27 <220> FEATURE:
28 <221> NAME/KEY: misc_feature
29 <222> LOCATION: (6)...(6)
30 <223> OTHER INFORMATION: y = t/u or c at position 6
31 <220> FEATURE:
32 <221> NAME/KEY: misc_feature
33 <222> LOCATION: (9)...(9)
34 <223> OTHER INFORMATION: y = t/u or c at position 9
35 <220> FEATURE:
36 <221> NAME/KEY: misc_feature
37 <222> LOCATION: (12)...(12)
38 <223> OTHER INFORMATION: b = g or c or t/u at position 12
39 <220> FEATURE:
40 <221> NAME/KEY: misc_difference
41 <222> LOCATION: (18)...(18)
42 <223> OTHER INFORMATION: r = g or a at position 18
43 <220> FEATURE:
44 <221> NAME/KEY: misc_feature

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45 <222> LOCATION: (24)...(24)
46 <223> OTHER INFORMATION: b = g or c or t/u at position 24
47 <220> FEATURE:
48 <221> NAME/KEY: misc_feature
49 <222> LOCATION: (30)...(30)
50 <223> OTHER INFORMATION: y = t/u or c at position 30
51 <220> FEATURE:
52 <221> NAME/KEY: misc_feature
53 <222> LOCATION: (33)...(33)
54 <223> OTHER INFORMATION: y = t/u or c at position 33
55 <220> FEATURE:
56 <221> NAME/KEY: misc_feature
57 <222> LOCATION: (36)...(36)
58 <223> OTHER INFORMATION: b = g or c or t/u at position 36
59 <220> FEATURE:
60 <221> NAME/KEY: misc_feature
61 <222> LOCATION: (39)...(39)
62 <223> OTHER INFORMATION: h = a or c or t/u at position 39
63 <220> FEATURE:
64 <221> NAME/KEY: misc_feature
65 <222> LOCATION: (42)...(42)
66 <223> OTHER INFORMATION: h = a or c or t/u at position 42
67 <400> SEQUENCE: 1
68     gtbtagayg tbaccgartg ggtbaagcgy cayccbghg gh
70 <210> SEQ ID NO: 2
71 <211> LENGTH: 45
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Forward Primer R0835
76 <220> FEATURE:
77 <221> NAME/KEY: misc_feature
78 <222> LOCATION: (3)...(3)
79 <223> OTHER INFORMATION: h = a or c or t/u at position 3
80 <220> FEATURE:
81 <221> NAME/KEY: misc_feature
82 <222> LOCATION: (6)...(6)
83 <223> OTHER INFORMATION: y = t/u or c at position 6
84 <220> FEATURE:
85 <221> NAME/KEY: misc_feature
86 <222> LOCATION: (12)...(12)
87 <223> OTHER INFORMATION: y = t/u or c at position 12
88 <220> FEATURE:
89 <221> NAME/KEY: misc_feature
90 <222> LOCATION: (27)...(27)
91 <223> OTHER INFORMATION: y = t/u or c at position 27
92 <220> FEATURE:
93 <221> NAME/KEY: misc_feature
94 <222> LOCATION: (33)...(33)

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Input Set : N:\Crf3\Refhold\J054534.raw

Output Set: N:\CRF3\07082002\J054534A.raw

95 <223> OTHER INFORMATION: y = tu or c at position 33  
 96 <220> FEATURE:  
 97 <221> NAME/KEY: misc\_feature  
 98 <222> LOCATION: (39)...(39)  
 99 <223> OTHER INFORMATION: b = g or c or t/u at position 39  
 100 <220> FEATURE:  
 101 <221> NAME/KEY: misc\_feature  
 102 <222> LOCATION: (41)...(41)  
 103 <223> OTHER INFORMATION: y = t/u or c at position 41  
 104 <220> FEATURE:  
 105 <221> NAME/KEY: misc\_feature  
 106 <222> LOCATION: (45)...(45)  
 107 <223> OTHER INFORMATION: y = t/u or c at position 45  
 108 <400> SEQUENCE: 2  
 109 gghgcytccg cyaactggtg gaagcaycag cayaacgtbc aypay  
 111 <210> SEQ ID NO: 3  
 112 <211> LENGTH: 45  
 113 <212> TYPE: DNA  
 114 <213> ORGANISM: Artificial Sequence  
 115 <220> FEATURE:  
 116 <223> OTHER INFORMATION: Reverse Primer R0836  
 117 <220> FEATURE:  
 118 <221> NAME/KEY: misc\_feature  
 119 <222> LOCATION: (1)...(1)  
 120 <223> OTHER INFORMATION: r = g or a at position 1  
 121 <220> FEATURE:  
 122 <221> NAME/KEY: misc\_feature  
 123 <222> LOCATION: (4)...(4)  
 124 <223> OTHER INFORMATION: r = g or a at position 4  
 125 <220> FEATURE:  
 126 <221> NAME/KEY: misc\_feature  
 127 <222> LOCATION: (7)...(7)  
 128 <223> OTHER INFORMATION: v = a or g or c at position 7  
 129 <220> FEATURE:  
 130 <221> NAME/KEY: misc\_feature  
 131 <222> LOCATION: (13)...(13)  
 132 <223> OTHER INFORMATION: r = g or a at position 13  
 133 <220> FEATURE:  
 134 <221> NAME/KEY: misc\_feature  
 135 <222> LOCATION: (19)...(19)  
 136 <223> OTHER INFORMATION: r = g or a at position 19  
 137 <220> FEATURE:  
 138 <221> NAME/KEY: misc\_feature  
 139 <222> LOCATION: (34)...(34)  
 140 <223> OTHER INFORMATION: r = g or a at position 34  
 141 <220> FEATURE:  
 142 <221> NAME/KEY: misc\_feature  
 143 <222> LOCATION: (40)...(40)  
 144 <223> OTHER INFORMATION: r = g or a at position 40

*"d" is at location 41; "y" is at location 42*

45

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Output Set: N:\CRF3\07082002\J054534A.raw

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145 <220> FEATURE:
146 <221> NAME/KEY: misc_feature
147 <222> LOCATION: (43)...(43)
148 <223> OTHER INFORMATION: d = a or g or t/u at position 43
149 <400> SEQUENCE: 3
150      rtgrtgvacg ttrtgctgrt gcttccacca gttrgcggar gdcgc      45
152 <210> SEQ ID NO: 4
153 <211> LENGTH: 36
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Reverse Primer R0838
158 <220> FEATURE:
159 <221> NAME/KEY: misc_feature
160 <222> LOCATION: (6)...(6)
161 <223> OTHER INFORMATION: r = g or a at position 6
162 <220> FEATURE:
163 <221> NAME/KEY: misc_feature
164 <222> LOCATION: (12)...(12)
165 <223> OTHER INFORMATION: r = g or a at position 12
166 <220> FEATURE:
167 <221> NAME/KEY: misc_feature
168 <222> LOCATION: (15)...(15)
169 <223> OTHER INFORMATION: y = t/u or c at position 15
170 <220> FEATURE:
171 <221> NAME/KEY: misc_feature
172 <222> LOCATION: (18)...(18)
173 <223> OTHER INFORMATION: r = g or a at position 18
174 <220> FEATURE:
175 <221> NAME/KEY: misc_feature
176 <222> LOCATION: (21)...(21)
177 <223> OTHER INFORMATION: r = g or a at position 21
178 <220> FEATURE:
179 <221> NAME/KEY: misc_feature
180 <222> LOCATION: (24)...(24)
181 <223> OTHER INFORMATION: s = g or c at position 24
182 <220> FEATURE:
183 <221> NAME/KEY: misc_feature
184 <222> LOCATION: (27)...(27)
185 <223> OTHER INFORMATION: r = g or a at position 27
186 <220> FEATURE:
187 <221> NAME/KEY: misc_feature
188 <222> LOCATION: (30)...(30)
189 <223> OTHER INFORMATION: v = a or g or c at position 30
190 <400> SEQUENCE: 4
191      ttgatrgtct arctygtrgt rgasaarggv tggtag      36
193 <210> SEQ ID NO: 5
194 <211> LENGTH: 24
195 <212> TYPE: DNA

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TIME: 10:34:30

Input Set: N:\Crf3\Refhold\J054534.raw

Output Set: N:\CRF3\07082002\J054534A.raw

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196 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Primer R0753
199 <220> FEATURE:
200 <221> NAME/KEY: misc_feature
201 <222> LOCATION: (10)...(10)
202 <223> OTHER INFORMATION: n = a or g or c or t/u, unknown, or other at
203     position 10
204 <220> FEATURE:
205 <221> NAME/KEY: misc_feature
206 <222> LOCATION: (13)...(13)
207 <223> OTHER INFORMATION: r = g or a at position 13
208 <220> FEATURE:
209 <221> NAME/KEY: misc_feature
210 <222> LOCATION: (16)...(16)
211 <223> OTHER INFORMATION: n = a or g or c or t/u, unknown, or other at
212     position 16
213 <220> FEATURE:
214 <221> NAME/KEY: misc_feature
215 <222> LOCATION: (18)...(19)
216 <223> OTHER INFORMATION: r = g or a at positions 18-19
217 <220> FEATURE:
218 <221> NAME/KEY: misc_feature
219 <222> LOCATION: (22)...(22)
220 <223> OTHER INFORMATION: r = g or a at position 22
221 <400> SEQUENCE: 5
W--> 222     catcatcatn gggaanarrrt grtg                                24
224 <210> SEQ ID NO: 6
225 <211> LENGTH: 30
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Primer R0754
230 <220> FEATURE:
231 <221> NAME/KEY: misc_feature
232 <222> LOCATION: (15)...(15)
233 <223> OTHER INFORMATION: y = t/u or c at position 15
234 <220> FEATURE:
235 <221> NAME/KEY: misc_feature
236 <222> LOCATION: (18)...(18)
237 <223> OTHER INFORMATION: y = t/u or c at position 18
238 <220> FEATURE:
239 <221> NAME/KEY: misc_feature
240 <222> LOCATION: (21)...(21)
241 <223> OTHER INFORMATION: n = a or g or c or t/u, unknown, or other at
242     position 21
243 <220> FEATURE:
244 <221> NAME/KEY: misc_feature
245 <222> LOCATION: (24)...(24)

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 07/08/2002  
PATENT APPLICATION:    US/10/054,534A      TIME: 10:34:31

Input Set : N:\Crf3\Refhold\J054534.raw  
Output Set: N:\CRF3\07082002\J054534A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 10,16

Seq#:6; N Pos. 21,27

VERIFICATION SUMMARY

DATE: 07/08/2002

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TIME: 10:34:31

Input Set : N:\Crf3\Refhold\J054534.raw

Output Set: N:\CRF3\07082002\J054534A.raw

L:222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0

L:257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0